

WHAT IS CLAIMED IS:

1. A monomeric adhesive composition comprising:
a polymerizable monomer, and
an antimicrobial agent,
5 wherein said antimicrobial agent is a phenolic active compound.
2. The composition of claim 1, wherein said antimicrobial agent is a
halogenated phenol compound.
3. The composition of claim 1, wherein said antimicrobial agent is
selected from the group consisting of chlorinated phenol compounds and brominated
10 phenol compounds.
4. The composition of claim 1, wherein said antimicrobial agent is a
chlorinated phenol compound selected from the group consisting of
parachlorometaxylenol, triclosan, p-chlorophenol, 2-chlorophenol, 3-chlorophenol, 4-
chlorophenol, 2,4-dichlorophenol, 2,4,6-trichlorophenol, 2,3,4,6-tetrachlorophenol,
15 pentachlorophenol, 4-chlororesorcinol, 4,6-dichlororesorcinol, 2,4,6-
trichlororesorcinol, alkylchlorophenols, cyclohexyl p-chlorophenol, o-benzyl p-
chlorophenol, o-benzyl-m-methyl p-chlorophenol, o-benzyl-m,m-dimethyl p-
chlorophenol, o-phenylethyl p-chlorophenol, o-phenylethyl-m-methyl p-chlorophenol,
dichloro-m-xyleneol, chlorocresol, o-benzyl-p-chlorophenol, 3,4,6-trichlorophenol, 4-
20 chloro-2-phenylphenol, 6-chloro-2-phenylphenol, o-benzyl-p-chlorophenol, 2,4-
dichloro-3,5-diethylphenol, and mixtures thereof.
5. The composition of claim 1, wherein said antimicrobial agent is
triclosan.
6. The composition of claim 1, wherein said antimicrobial agent is a
25 brominated phenol compound selected from the group consisting of p-bromophenol,
methyl p-bromophenol, ethyl p-bromophenol, n-propyl p-bromophenol, n-butyl p-
bromophenol, n-amyl p-bromophenol, sec-amyl p-bromophenol, n-hexyl p-
bromophenol, cyclohexyl p-bromophenol, o-bromophenol, tert-amyl o-bromophenol,
n-hexyl o-bromophenol, n-propyl-m,m-dimethyl o-bromophenol, 2,2'-methylene bis
30 (4-chloro-6-bromophenol), and mixtures thereof.
7. The composition of claim 1, wherein said antimicrobial agent is
soluble in said monomer at room temperature and substantially all of said monomer
remains stable for at least five minutes after forming the composition.

8. The composition of claim 1, wherein said antimicrobial agent is compatible with sterilization processing of said composition.
9. The composition of claim 1, wherein said composition remains stable for at least one hour after forming the composition.
- 5 10. The composition of claim 1, wherein said composition remains stable for at least twenty-four hours after forming the composition.
11. The composition of claim 1, wherein said composition remains stable for at least eighteen months after forming the composition.
12. The composition of claim 1, wherein said anti-microbial agent does not
10 substantially affect the polymerization rate of the monomer.
13. The composition of claim 1, wherein said monomer is a 1,1-disubstituted ethylene monomer.
14. The composition of claim 1, wherein said monomer is a cyanoacrylate.
15. The composition of claim 1, wherein said composition is sterile.
- 15 16. A method of making a monomeric adhesive composition, comprising mixing an antimicrobial agent with a polymerizable monomer, wherein said antimicrobial agent is a phenolic active compound.
17. The method of claim 16, wherein said antimicrobial agent is a halogenated phenol compound.
- 20 18. The method of claim 16, wherein said antimicrobial agent is selected from the group consisting of chlorinated phenol compounds and brominated phenol compounds.
19. The method of claim 16, wherein said antimicrobial agent is a chlorinated phenol compound selected from the group consisting of
25 parachlorometaxylenol, triclosan, p-chlorophenol, 2-chlorophenol, 3-chlorophenol, 4-chlorophenol, 2,4-dichlorophenol, 2,4,6-trichlorophenol, 2,3,4,6-tetrachlorophenol, pentachlorophenol, 4-chlororesorcinol, 4,6-dichlororesorcinol, 2,4,6-trichlororesorcinol, alkylchlorophenols, cyclohexyl p-chlorophenol, o-benzyl p-chlorophenol, o-benzyl-m-methyl p-chlorophenol, o-benzyl-m,m-dimethyl p-chlorophenol,
30 chlorophenol, o-phenylethyl p-chlorophenol, o-phenylethyl-m-methyl p-chlorophenol, dichloro-m-xyleneol, chlorocresol, o-benzyl-p-chlorophenol, 3,4,6-trichlorophenol, 4-chloro-2-phenylphenol, 6-chloro-2-phenylphenol, o-benzyl-p-chlorophenol, 2,4-dichloro-3,5-diethylphenol, and mixtures thereof.
20. The method of claim 16, wherein said antimicrobial agent is triclosan.

21. The method of claim 16, wherein said antimicrobial agent is soluble in said monomer at room temperature and substantially all of said monomer remains stable for at least five minutes after forming the composition.

22. The method of claim 16, wherein said antimicrobial agent is
5 compatible with sterilization processing of said composition.

23. The method of claim 16, wherein said monomer is a 1,1-disubstituted ethylene monomer.

24. The method of claim 16, wherein said monomer is a cyanoacrylate.

25. The method of claim 16, wherein said composition is sterile.

10 26. A method of making a sterile, antimicrobial adhesive composition comprising:

placing a mixture of a polymerizable monomer and an antimicrobial agent in a container, wherein said antimicrobial agent is a phenolic active compound,

sealing said container, and

15 sterilizing the mixture in the container,

wherein said mixture remains stable for at least five minutes after forming the mixture.

27. The method of claim 26, wherein said sterilizing is performed by dry heat, moist heat, gamma irradiation, electron beam irradiation, microwave irradiation, or retort canning.
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28. A method of applying a monomeric adhesive composition, comprising:
applying a monomeric adhesive composition comprising a polymerizable monomer and an antimicrobial agent, wherein said antimicrobial agent is a phenolic active compound and, to a tissue surface; and

25 allowing the monomeric adhesive composition to polymerize on said tissue surface.

29. A polymer film formed by polymerizing the monomer in the composition of claim 1.